

Serial No. 09/977,797

In the Claims

1. (Currently amended) A method comprising:

- a. providing
 - i. a solid support coated with an anti-immunoglobulin reagent[[/]],
wherein said solid support comprises a membrane and
 - ii. a phage expressed antibody library, ~~wherein said library comprises about 10⁴ or more of different binding molecule species;~~
- b. contacting said solid support and said phage expressed antibody library to generate an antibody bound solid support;
- c. contacting said antibody bound solid support with a sample containing one or more antigen[[/]]s, wherein said contacting generates a solid support containing antibody-antigen complex[[/]]es;
- d. identifying one or more antibody-antigen complexes ~~antigens contained in said antibody-antigen complexes;~~

2-5 (Cancelled).

6. (Currently amended) The method of claim [[4]] 1, further comprising the step of (e) generating an immunoglobulin molecule that binds at least one antigen found in said antibody-antigen complexes.

7. (Original) The method of claim 6, further comprising the step of f) treating a cell with said immunoglobulin.

8. (original) The method of claim 7, wherein said cell comprises a cancer cell.

9. (Currently amended) The method of claim [[3]] 1, wherein said sample comprises a cell extract.

10. (original) The method of claim 9, wherein said cell extract comprises a cancer cell extract.

11. (original) The method of claim 10, wherein said cancer cell extract contains biotinylated proteins.

12. (original) The method of claim 11, wherein said biotinylated proteins comprise biotinylated membrane proteins.

13. (Currently amended) The method of claim [[2]] 1, further comprising the step of contacting said antibody bound solid support with a label.

14. (original) The method of claim 1, wherein said phage expressed antibody library expresses antibody fragments.

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15. (original) The method of claim 14, wherein said antibody fragments comprise antibody fragments reactive with surface expressed cancer polypeptides.

16. (cancelled)

17. (Currently amended) The method of claim [[16]] 1, wherein said membrane comprises a nitrocellulose membrane.

18. (Currently amended) The method of claim 1, wherein said solid surface ~~support~~ is further coated with a blocking agent.

19. (original) The method of claim 18, wherein said blocking agent comprises bovine serum albumin.

20. (original) The method of claim 1, wherein said anti-immunoglobulin reagent comprises anti-human antibody.

21. (original) The method of claim 20, wherein said anti-human antibody comprises anti-human kappa antibody.

22. (original) The method of claim 21, wherein said anti-human kappa antibody comprises goat anti-human kappa antibody.

23. (original) The method of claim 1, wherein said antibody bound solid support comprises more bound antibody than a control solid support lacking said anti-immunoglobulin reagent.

24. (original) The method of claim 18, wherein said contacted solid support binds less non-human protein than a control support without said blocking agent.

25 (New) The method of claim 1, wherein said phage expressed library is not expressed on the surface of a phage.